



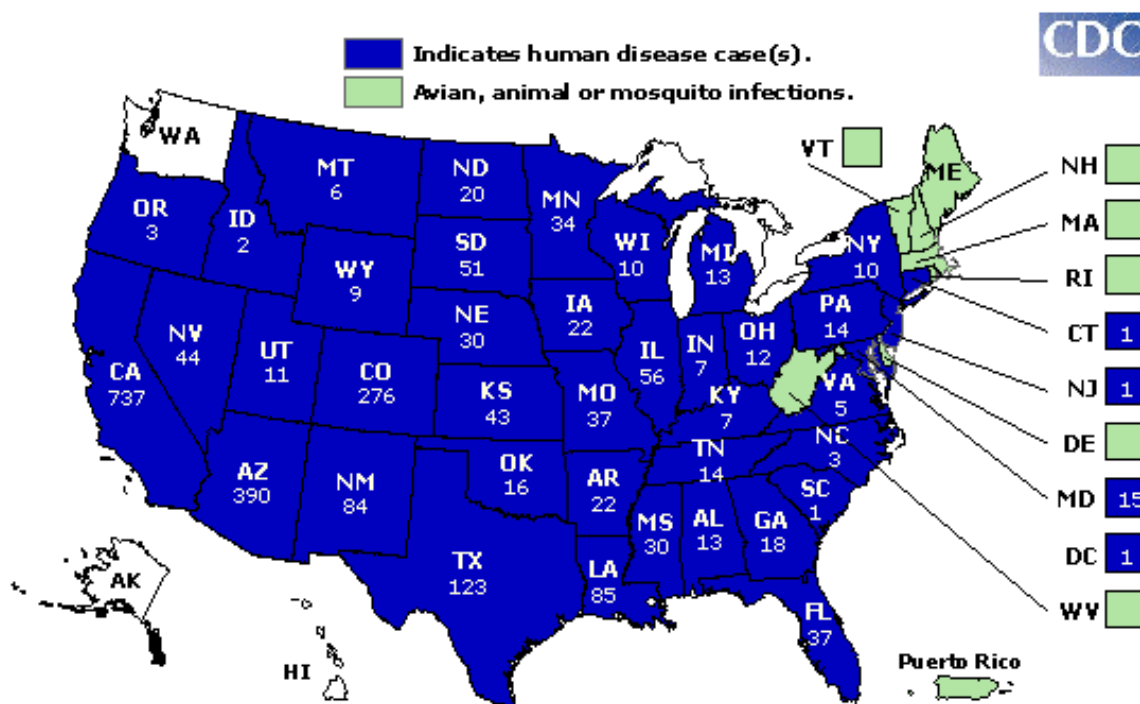
West Nile Virus Newsletter

For the second year, the Department of Health (DOH) is using this electronic newsletter as a regular communication tool to help keep its partners informed about West Nile virus (WNV). The newsletter will be provided routinely throughout the warmer peaks of the mosquito season and less frequently during the colder, non-peak mosquito periods.

Surveillance News

Provided by the Centers for Disease Control and Prevention

2004 West Nile Virus Activity in the United States (reported to CDC as of November 16, 2004)



2,313 human cases thus far in 2004, 8,470 cases the same week of 2003

As of November 16, 2004, 40 states have reported a total of 2,313 human cases of West Nile virus (WNV) illness to CDC through ArboNET for 2004. Among 2,282 WNV cases with clinical and demographic data available, the median age was 52 years (range 1 month - 99 years) and 1,339 (59 percent) were males. Of these 2,282 cases, 820 (36 percent) were neuroinvasive. In 2004, there have been a total of 79 published WNV-related fatalities. Of these 79 fatal cases clinical and demographic data were available on 78. The median age of these 78 decedents was 74 years (range 43 - 95 years).

Additional information about national WNV activity is available from CDC at <http://www.cdc.gov/ncidod/dvbid/westnile/index.htm>. Maps detailing county-level human, mosquito, veterinary, avian and sentinel data are published each week on the collaborative USGS/CDC West Nile virus website: <http://westnilemaps.usgs.gov>.

Washington Non-human Surveillance Summary

Reported to Washington State Department of Health as of November 17, 2004

| County | Horses* | | Birds** | | Sentinel Flocks*** | | Mosquito Pools**** | |
|--------------|---------|----------|---------|----------|--------------------|----------|--------------------|----------|
| | Tested | Positive | Tested | Positive | Tested | Positive | Tested | Positive |
| Adams | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Asotin | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Benton | 0 | 0 | 18 | 0 | 311 | 0 | 84 | 0 |
| Chelan | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| Clallam | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Clark | 1 | 0 | 54 | 0 | 0 | 0 | 22 | 0 |
| Columbia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cowlitz | 1 | 0 | 25 | 0 | 0 | 0 | 26 | 0 |
| Douglas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ferry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Franklin | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Garfield | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grant | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Grays Harbor | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Island | 3 | 0 | 23 | 0 | 0 | 0 | 0 | 0 |
| Jefferson | 1 | 0 | 6 | 0 | 0 | 0 | 53 | 0 |
| King | 3 | 0 | 93 | 0 | 0 | 0 | 5 | 0 |
| Kitsap | 1 | 0 | 0 | 0 | 0 | 0 | 241 | 0 |
| Kittitas | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Klickitat | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Lewis | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 |
| Lincoln | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Mason | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 |
| Okanogan | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Pacific | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| Pend Oreille | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pierce | 2 | 0 | 57 | 0 | 0 | 0 | 227 | 0 |
| San Juan | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| Skagit | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 |
| Skamania | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Snohomish | 3 | 0 | 92 | 0 | 0 | 0 | 32 | 0 |

| | | | | | | | | |
|---------------|-----------|----------|------------|----------|------------|----------|------------|----------|
| Spokane | 6 | 0 | 14 | 0 | 0 | 0 | 0 | 0 |
| Stevens | 1 | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| Thurston | 1 | 0 | 38 | 0 | 0 | 0 | 0 | 0 |
| Wahkiakum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Walla Walla | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| Whatcom | 2 | 0 | 10 | 0 | 0 | 0 | 0 | 0 |
| Whitman | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Yakima | 1 | 0 | 3 | 0 | 81 | 0 | 139 | 0 |
| Totals | 39 | 0 | 551 | 0 | 392 | 0 | 829 | 0 |

*An additional 14 equine tested negative, but were not included in the table because county/state information was not available. WADDL Report Dated: November 2, 2004

**A total of 570 birds have been submitted for testing, of which 19 were unsuitable and not tested for West Nile virus. An additional 1 bird specimens are pending.

***Benton County MCD Report Dated: September 30, 2004

****USACHPPM-West Report Dated: November 12, 2004, WADDL Report Dated: September 29, 2004, Clark County MCD Reported: September 8, 2004, and Benton County MCD Reported Date: September 29, 2004.

Dead Bird Surveillance for West Nile Virus Coming to an End for 2004 - Still no West Nile virus activity in Washington

OLYMPIA — Colder weather has arrived and mosquito activity has declined in Washington. The Washington State Department of Health West Nile virus (WNV) surveillance project is suspending lab tests of dead birds and will resume testing of some dead birds in the spring of 2005 when warmer weather increases mosquito activity.

"Dead bird monitoring is very important work," said Maryanne Guichard, director of Environmental Health and Safety. "It provided the first indication that West Nile virus had arrived in our state in 2002, and helps us quickly inform the public and respond early to reduce cases of illness."

Washington is the only state in the continental United States that did not detect WNV activity in 2004. During the 2004 mosquito season, the virus moved into previously unaffected areas of the west including California, Oregon and Idaho. More than 2,200 human cases were reported in the United States between January and November 2004; one case was reported in a Washington traveler who contracted the virus while visiting Colorado.

Local and state health departments and mosquito control districts in conjunction with laboratories monitor for WNV in birds, horses, sentinel chickens and mosquitoes. During 2004, 551 dead birds, 53 horses and 392 samples from sentinel chicken flocks were tested; none of them were infected. Mosquitoes trapped for identification were grouped into pools for WNV testing. About 829 mosquito pools were tested; none of the mosquitoes were infected.

The complete news release is available at http://www.doh.wa.gov/Publicat/2004_news/04-134.htm.

CDC Announces \$5 Million in New Awards to Fight Emerging Infectious Diseases

Centers for Disease Control and Prevention, Press Release, November 10, 2004

The Centers for Disease Control and Prevention announced \$5 million in new grants to support infectious disease research in five major areas including influenza vaccine effectiveness, antimicrobial resistance, *Clostridium difficile*-associated diarrheal disease, West Nile virus infection, and organ transplant-associated infections.

Projects will conduct research on various public health aspects of West Nile Virus (WNV) in the United States. To view the research projects awarded grants, go to the CDC's Press Release page at <http://www.cdc.gov/od/oc/media/pressrel/r041110.htm>.

Community Comments

Let us hear your comments on this newsletter, your needs, or things you would like to see, by sending them to Maryanne Guichard, 360.236.3391 or maryanne.guichard@doh.wa.gov

WNV Web Resources

Washington State Department of Health www.doh.wa.gov/wnv

Center for Disease Control and Prevention <http://www.cdc.gov/ncidod/dvbid/westnile/>

Washington State University Cooperative Extension <http://wnv.wsu.edu/>

Cornell University, Center for Environment <http://www.cfe.cornell.edu/erap/WNV>

Washington State Department of Agriculture

<http://agr.wa.gov/FoodAnimal/AnimalHealth/Diseases/WestNileVirus/default.htm>

Article Submission

We are interested in receiving articles for future publications of the WNV newsletter. Please submit articles to Ben Hamilton, benjamin.hamilton@doh.wa.gov.

DOH Contact List for West Nile Virus

General Public Toll-Free Hotline 1.866.78VIRUS

Publications: Brochures/Response Plan/Fact Sheets

Laura Harper, 360.236.3380, or laura.harper@doh.wa.gov.

Surveillance: Mosquito

Jo Marie Brauner, 360.236.3064, or jomarie.brauner@doh.wa.gov.

Surveillance: Dead bird surveillance, horses, case reporting, laboratory assistance, and general WNV response

Tom Gibbs, 360.236.3060, or tom.gibbs@doh.wa.gov.

Aquatic Mosquito Control National Pollutant Discharge Elimination System (NPDES)

General Permit: Training, technical assistance

Ben Hamilton, 360.236.3364, or benjamin.hamilton@doh.wa.gov.

WNV in Humans: Clinical information, case reporting, and laboratory testing

Call your local health jurisdiction or DOH Communicable Disease Epidemiology,
206.361.2914 or 877.539.4344.

Assistance with news releases and media response

Donn Moyer, 360.236.4076, or donn.moyer@doh.wa.gov.

Tim Church, 360.236.4077, or tim.church@doh.wa.gov.

WNV Program Management

Maryanne Guichard, 360.236.3391, or maryanne.guichard@doh.wa.gov.

WNV Coordinator

Leslie Spangler, 360.236.3369, or leslie.spangler@doh.wa.gov.

To subscribe to this newsletter

Cyndi Free, 360-236-3384, or cyndi.free@doh.wa.gov.